

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims:

1-32. (Cancelled)

33. (Currently Amended) A method for executing an application ~~that is encapsulated in a package~~, the method comprising:

loading ~~[[the]]~~ a first package within a browser on a local client computer, the first package including a first manifest and a ~~[[root]]~~ first archive of files that includes instructions and content needed to execute ~~[[the]]~~ an application, the ~~[[root]]~~ first archive of files including:

an initial file that includes instructions for initiating execution of the application, the initial file being a markup language file,
other files needed to execute the application, and
a nested archive second package that includes a second manifest and a second archive of files; additional files, the nested archive being included within the package;

the first manifest including an initial file identifier that indicates that the initial file is to be processed before the other files in the ~~[[root]]~~ first archive of files when the application is executed;

in response to loading the first package within the browser, automatically accessing the first manifest;

locating the initial file identifier in the first manifest;

based on the located initial file identifier, accessing the instructions for initiating the execution of the application from the initial file;

processing the accessed instructions from the initial file; and

automatically initiating execution of the application based on the processed instructions.

34. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, further comprising receiving the first package at the local client computer.

35. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 34, wherein receiving the first package at [[a]] the local client computer comprises loading the first package onto the local client computer from a local computer readable medium.

36. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, wherein the instructions for initiating execution of the application from the initial file include instructions to process additional instructions from one or more of the other files in the [[root]] first archive, the method further comprising:

accessing the additional instructions from the one or more other files; and

processing the additional instructions, the accessing and processing of the additional instructions being performed in response to processing the instructions for initiating execution of the application from the initial file.

37. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, wherein:

the initial file comprises a source file for a web page,
the instructions for initiating execution of the application from the initial file comprise instructions for rendering the web page, and
automatically initiating execution of the application comprises rendering the web page in accordance with the instructions for rendering the web page.

38. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 37, wherein the source file for the web page comprises an HTML document.

39. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, wherein:

the initial file comprises an executable file, and
the instructions for initiating execution of the application from the initial file comprise program execution instructions.

40-41. (Cancelled)

42. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, wherein:

the first manifest further comprises an archive type identifier that identifies an application type of the application, and

processing the accessed instructions comprises processing the accessed instructions in accordance with the application type of the application.

43. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, further comprising displaying an icon associated with the application, wherein loading the first package in the browser comprises automatically loading the first package in the browser in response to a user selecting the icon associated with the application.

44. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, wherein the initial file identifier indicates that the initial file is the first file to be processed in the [[root]] first archive of files when the application is executed.

45. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 33, wherein automatically initiating execution of the application based on the processed instructions comprises automatically initiating execution of the application without maintaining a connection between the local client computer and a web server.

46. (Currently Amended) A computer program product for executing an application ~~that is encapsulated in a package~~, the computer program product being embodied in a tangible

computer readable medium and including instructions that, when executed by a processor, cause the processor to:

load [[the]] a first package within the computer program product, the first package including a first manifest and a first [[root]] archive of files that include instructions and content needed to execute the application, the first [[root]] archive of files including:

an initial file that includes instructions for initiating execution of the application, the initial file being a markup language file,

other files needed to execute the application, and

a ~~nested archive~~ second package that includes a second manifest and a second archive of files; additional files, the nested archive being included within the package;

the first manifest including an initial file identifier that indicates that the initial file is to be processed before the other files in the [[root]] first archive of files when the application is executed;
automatically access the first manifest in response to loading the first package within the computer program product;

locate the initial file identifier in the first manifest;
access the instructions for initiating the execution of the application from the initial file based on the located initial file identifier;
process the accessed instructions from the initial file; and
automatically initiate execution of the application based on the processed instructions.

47. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, further comprising instructions that, when executed by the processor, cause the processor to receive the first package at a local client computer.

48. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 47, wherein the instructions that, when executed by the processor, cause the processor to receive the first package at the local client computer comprise instructions that, when executed by the processor, cause the processor to load the first package onto the local client computer from a local computer readable medium.

49. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, wherein the instructions for initiating the execution of the application from the initial file include instructions to process additional instructions from one or more of the other files in the first archive, the computer program product further comprising instructions that, when executed by the processor, cause the processor to:

access and process the additional instructions from the one or more other files in response to processing the instructions for initiating execution of the application from the initial file.

50. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, wherein:

the initial file comprises a source file for a web page,

the instructions for initiating execution of the application from the initial file comprise instructions for rendering the web page, and

the instructions that, when executed by the processor, cause the processor to automatically initiate execution of the application comprises instructions that, when executed by the processor, cause the processor to render the web page in accordance with the instructions for rendering the web page.

51. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 50 wherein the source file for the web page comprises an HTML document.

52. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, wherein:

the initial file comprises an executable file, and

the instructions for initiating execution of the application from the initial file comprise program execution instructions.

53-54. (Cancelled)

55. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 52, wherein:

the first manifest further comprises an archive type identifier that identifies an application type of the application, and

the instructions that, when executed by the processor, cause the processor to process the accessed instructions comprise instructions that, when accessed by the processor, cause the processor to process the accessed instructions in accordance with the application type of the application.

56. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46 further comprising instructions that, when executed by a processor, cause the processor to display an icon associated with the application, wherein the instructions that, when executed by the processor, cause the processor to load the first package in the computer program product comprise instructions that, when executed by the processor, cause the processor to automatically load the first package in the computer program product in response to a user selecting the icon associated with the application.

57. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, wherein the computer program product comprises a browser.

58. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, wherein the initial file identifier indicates that the initial file is the first file to be processed in the [[root]] first archive of files when the application is executed.

59. (Currently Amended) The computer program product ~~for executing an application that is encapsulated in a package~~ of claim 46, wherein the instructions that, when executed by the processor, cause the processor to automatically initiate execution of the application based on the processed instructions comprise instructions that, when executed by the processor, cause the processor to automatically initiate execution of the application without maintaining a connection between ~~[[the]]~~ a local client computer and a web server.

60. (Currently Amended) A method for ~~encapsulating an application in~~ generating a first package such that ~~[[the]]~~ an application may be automatically executed by a browser on a client computer, the method comprising:

generating a ~~[[root]]~~ first archive of files that include instructions and content needed to execute the application, the ~~[[root]]~~ first archive including:

an initial file that includes instructions for initiating execution of the application,
the initial file being a markup language file,

other files needed to execute the application, and

a ~~nested archive~~ second package that includes a second manifest and a second
archive of files; additional files;

generating a first manifest file that is associated with the ~~[[root]]~~ first archive, the first manifest file including an initial file identifier that instructs the browser to process the initial file before processing other files in the ~~[[root]]~~ first archive in order to initiate execution of the application; and

encapsulating the [[root]] first archive of files, ~~including the nested archive~~, and the first manifest file within [[a]] the first package.

61. (Currently Amended) The method ~~for encapsulating an application in a package such that the application may be automatically executed by a browser on a client computer~~ of claim 60, wherein the instructions for initiating execution of the application from the initial file include instructions to process additional instructions from one or more of the other files in the [[root]] first archive.

62. (Currently Amended) The method ~~for encapsulating an application in a package such that the application may be automatically executed by a browser on a client computer~~ of claim 60, wherein:

the initial file comprises a source file for a web page, and

the instructions for initiating execution of the application from the initial file comprise instructions for rendering the web page.

63. (Currently Amended) The method ~~for encapsulating an application in a package such that the application may be automatically executed by a browser on a client computer~~ of claim 62, wherein the source file for the web page comprises an HTML document.

64. (Currently Amended) The method ~~for encapsulating an application in a package such that the application may be automatically executed by a browser on a client computer~~ of claim 60, wherein:

the initial file comprises an executable file, and

the instructions for initiating execution of the application from the initial file comprise program execution instructions.

65-66. (Cancelled)

67. (Currently Amended) The method ~~for encapsulating an application in a package such that the application may be automatically executed by a browser on a client computer~~ of claim 60, wherein:

the first manifest file further comprises an archive type identifier that instructs the browser to process the instructions for initiating execution of the application from the initial file in accordance with the application type of the application.

68. (Currently Amended) A self-contained package ~~for distributing an application~~, the self-contained package being embodied in a tangible computer readable medium and configured to enable ~~[[the]]~~ an application to be automatically executed within a browser environment, the self-contained package comprising:

a ~~[[root]]~~ first archive including:

an initial content source having instructions for initiating execution of the application within the browser environment, the initial content source being a markup language file,

additional files that include instructions and content needed to execute the application within the browser environment, and

a ~~nested archive~~ second package that includes a second manifest and a second archive of files; ~~other files, the nested archive being included within the self-contained package~~;

a first manifest associated with the [[root]] first archive that includes an initial content identifier that indicates that the initial content source is to be processed before the additional files in the [[root]] first archive when the application is executed.

69. (Currently Amended) The self-contained package according to claim 68, wherein said initial content source is an HTML file containing content layout instructions for rendering a document that displays content included in the [[root]] first archive.

70. (Previously presented) The self-contained package according to claim 68, wherein said initial content source is an executable file containing program execution instructions.

71. (Cancelled)

72. (Currently Amended) The self-contained package of claim 70, wherein the first manifest further comprises an archive type identifier that identifies an application type of the application.

73. (Cancelled)

74. (Previously presented) The self-contained package of claim 68, wherein the additional files comprise one or more of a web page, a script, an image, a sound file, and a JAVA file.

75-92. (Cancelled)

93. (Currently Amended) The method ~~for executing an application that is encapsulated in a package~~ of claim 34, wherein receiving the first package at the local client computer comprises receiving an e-mail that includes the first package at the local client computer.

94. (Currently Amended) The method ~~for encapsulating an application in a package such that the application may be automatically executed by a browser on a client computer~~ of claim 60 further comprising, establishing security credentials for the initial file, the other files needed to execute the application, and the ~~nested~~ second archive using a single signature for the first package.

95. (Cancelled)

96. (Currently Amended) A method for executing an application, the method comprising: loading, within a processing environment on a local client computer, a first package that includes a first manifest and a first archive of files, wherein:

the first manifest includes a first initial file identifier that identifies a particular file from within the first archive of files as a first initial file that is to be processed before other files in the first archive of files when the application is executed, and

the first archive of files includes:

the first initial file, the first initial file including instructions for initiating execution of the application, the first initial file being a markup language file, other files needed to execute the application, and a second package ~~that is included within the first package~~, the second package including:

a second manifest that includes a second initial file identifier that identifies a particular file from within ~~[[the]]~~ a second archive of files as a second initial file that is to be processed before other files in the second archive of files when the application is executed, and

~~[[a]]~~ the second archive of files that includes:

the second initial file, the second initial file including instructions for executing the application, the second initial file being a markup language file, and

additional files needed to execute the application;

in response to loading the first package within the processing environment, automatically accessing the first manifest;

locating the first initial file identifier in the first manifest;

based on the located first initial file identifier, accessing the instructions for initiating execution of the application from the first initial file;

processing the accessed instructions from the first initial file; and

automatically initiating execution of the application based on the processed instructions from the first initial file.

97. (Cancelled)

98. (Currently Amended) The method ~~for executing an application~~ of claim 96 further comprising:

- accessing the second manifest after locating the first initial file identifier in the first;
- locating the second initial file identifier in the second manifest;
- based on the located second initial file identifier, accessing the instructions for executing the application from the second initial file;
- processing the accessed instructions from the second initial file; and
- executing the application based on the processed instructions from the second initial file.

99. (New) A method comprising:

loading a package, the package including a manifest and an archive of files that includes instructions and content needed to execute an application, the archive of files including:

- an initial file that includes instructions for initiating execution of the application, the initial file being a markup language file, and
- other files needed to execute the application;
- the manifest including an initial file identifier that indicates that the initial file is to be processed before the other files in the archive of files when the application is executed;

in response to loading the package, automatically accessing the manifest;
locating the initial file identifier in the manifest;
based on the located initial file identifier, accessing the instructions for initiating the
execution of the application from the initial file;
processing the accessed instructions from the initial file; and
automatically initiating execution of the application based on the processed instructions.

100. (New) The method of claim 99, wherein the initial file is an HTML file containing content layout instructions for rendering a document that displays at least one of the other files included in the archive.

101. (New) The method of claim 99, wherein said initial file is an executable file containing program execution instructions.